

Contents

Vol. 121, No. 1—4, 1995

Original Papers

Conducting Polymer Based Amperometric Enzyme Electrodes <i>W. Schuhmann</i>	1
On-Line Glucose Monitoring by Using Microdialysis Sampling and Amperometric Detection Based on 'Wired' Glucose Oxidase in Carbon Paste <i>E. Csöregi, Th. Laurell, I. Katakis, A. Heller, L. Gorton</i>	31
Aminated Polystyrene Membranes for a Fiber Optic pH Sensor Based on Reflectance Changes Accompanying Polymer Swelling <i>Z. Zhang, Z. Shakhsher, W. R. Seitz</i>	41
A Sensitive Probe for Oxygen Sensing in Gas Mixtures, Based on Room-Temperature Phosphorescence Quenching <i>R. Badía, M. E. Díaz-García, A. Sanz-Medel</i>	51
Potentiometric Enzyme Electrode for Urea Based on Electrochemically Prepared Polypyrrole Membranes <i>E. C. Hernández, A. Witkowski, S. Daunert, L. G. Bachas</i>	63
Development of Na ⁺ -Sensitive Membranes Based on Sputtered Na-Al-Si Glasses <i>M. Bruns, R. Schlesinger, H. Klewe-Nebenius, H. Baumann, R. Becht, H. J. Ache</i>	73
Determination of Mitoxantrone with a Fiber-Optic Device <i>M. Wirth, F. Gabor, Th. Schalkhammer, F. Pittner</i>	87
Ammonia Detection via Integrated Optical Evanescent Wave Sensors <i>A. Brandenburg, R. Edelhäuser, T. Werner, H. He, O. S. Wolfbeis</i>	95
Oxygen-Sensitive Layers for Optical Fibre Devices <i>F. J. Mingogarranz, M. C. Moreno-Bondi, D. García-Fresnadillo, C. de Dios, G. Orellana</i>	107
Redox Enzyme Linked Electrochemical Sensors: Theory Meets Practice <i>E. A. H. Hall, J. J. Gooding, C. E. Hall</i>	119
Direct Biosensor Coating with a Photopolymerised Microlayer Through a Controllable Step-Procedure <i>B. Leca, R. M. Moréls, P. R. Coulet</i>	147
Ruthenized Screen-Printed Choline Oxidase-Based Biosensors for Measurement of Anticholinesterase Activity <i>A. Cagnini, I. Palchetti, M. Mascini, A. P. F. Turner</i>	155
Electrochemical Biosensors Based on Enzymes Immobilized in Electropolymerized Films <i>M. Trojanowicz, T. Krawczyński vel Krawczyk</i>	167

Determination of Mercury(II), Methylmercury and Ethylmercury in the ng/ml Range with an Electrochemical Enzyme Glucose Probe <i>A. Amine, C. Cremisini, G. Palleschi</i>	183
Integrated Coulometric Sensor-Actuator Devices <i>W. Olthuis, P. Bergveld</i>	191
Plastic Colorimetric Film Sensors for Gaseous Ammonia <i>A. Mills, L. Wild, Q. Chang</i>	225
Fibre Optic Fluorometric Enzyme Sensors for Hydrogen Peroxide and Lactate, Based on Horseradish Peroxidase and Lactate Oxidase <i>F. Schubert, F. Wang, H. Rinneberg</i>	237
Optode Membrane for Continuous Measurement of Silver Ions <i>I. Murkovic, I. Oehme, G. J. Mohr, T. Ferber, O. S. Wolfbeis</i>	249
Metal Island Coated Polymer Sensor for Direct Determination of the Volume Effect of Chaotropic Agents <i>Th. Schalkhammer, Ch. Lobmaier, F. Pittner, A. Leitner, H. Brunner, F. R. Aussenegg</i>	259
New Method for Determining the Concentration of Ionic Impurities in Solvent Polymere Membranes <i>M. Nägele, E. Pretsch</i>	269
 <i>News Section</i>	
Conference Calendar	280
Impressum	281
 Abstracted/Indexed in: Current Contents, SCI, ASCA, Analytical Abstracts, Chemical Abstracts, Engineered Materials Abstracts, Metals Abstracts	

